

Sample settings for NT8D22 System Monitors

This chapter gives examples of system monitor option settings for basic system configurations. (See [Tables 2 to 11](#).) These configurations are only samples; you may have a variety of complex configurations. See “NT8D22 System Monitor” on page 69 for detailed information.

Meridian 1 systems

The master system monitor must be configured in the CPU column. In options 71 and 81, the master must be configured in the column containing CPU 0, and slave unit 1 must be configured in the column containing CPU 1. Any other system monitors are slaves.

Table 2
Master system monitor switch settings

Switch	1	2	3	4	5	6	7	8
SW1	off	off	*	on**	off	off	off	off
SW2	on	off	(For switches 3 to 8, see “NT8D22 settings for total number of slaves—SW2 on master” in option settings.)					
SW3	on	on	on	on				
* Set to ON for DC-powered systems, OFF for AC-powered systems. ** PFTU enabled because of over-temperature in column with master system monitor.								

Table 3
Slave system monitor switch settings

Switch	1	2	3	4	5	6	7	8
SW1	off	off	*	**	off	off	off	off
SW2	off	off	(For 3–8, see “NT8D22 slave address—SW2 on slave” in option settings)					
SW3	off	off	off	off				
* Set to ON for DC-powered systems, OFF for AC-powered systems. ** Set to ON to enable PFTU during over-temperature condition. Set to OFF to disable PFTU during over-temperature condition.								

ST, STE, and RT systems with Meridian 1 upgrades

The following tables give examples of option settings for the following:

- ST, STE, or RT with peripheral equipment (PE) upgrade
- ST, STE, or RT with common equipment (CE) upgrade

ST, STE, or RT with PE upgrade

Configure the system monitor in one PE column as the master. Configure any other system monitors as slaves. If there are CE *and* PE modules, use the option settings for CE upgrades.

Table 4
Master system monitor switch settings

Switch	1	2	3	4	5	6	7	8
SW1	on	off	*	**	on	on	on	on
SW2	on	on	(For switches 3 to 8, see “NT8D22 settings for total number of slaves—SW2 on master” in option settings)					
SW3	on	on	on	on				
* Set to ON for DC-powered systems, OFF for AC-powered systems. ** Set to ON to enable PFTU during over-temperature condition. Set to OFF to disable PFTU during over-temperature condition.								

Table 5
Slave system monitor switch settings

Switch	1	2	3	4	5	6	7	8
SW1	on	off	*	**	on	on	on	on
SW2	off	on	(For switches 3 to 8, see “NT8D22 slave address— SW2 on slave” in option settings)					
SW3	off	off	off	off				
* Set to ON for DC-powered systems, OFF for AC-powered systems. ** Set to ON to enable PFTU during over-temperature condition. Set to OFF to disable PFTU during over-temperature condition.								

ST, STE, RT with CE upgrade

Configure the system monitor in the CPU column as the master. Configure any other system monitors as slaves.

Table 6
Master system monitor switch settings

Switch	1	2	3	4	5	6	7	8
SW1	on	on	*	on**	on	on	off	on
SW2	on	on	(For switches 3 to 8, see “NT8D22 settings for total number of slaves—SW2 on master” in option settings)					
SW3	on	on	on	on				
* Set to ON for DC-powered systems, OFF for AC-powered systems. ** PFTU enabled because of over-temperature in column with master system monitor.								

Table 7
Slave system monitor switch settings

Switch	1	2	3	4	5	6	7	8
SW1	on	off	*	**	on	on	off	on
SW2	off	on	(For switches 3 to 8, see “NT8D22 slave address— SW2 on slave” in option settings)					
SW3	off	off	off	off				
* Set to ON for DC-powered systems, OFF for AC-powered systems. ** Set to ON to enable PFTU during over-temperature condition. Set to OFF to disable PFTU during over-temperature condition.								

NT and XT systems with Meridian 1 upgrades

The following tables give examples of option settings for

- NT or XT with PE upgrade
- NT or XT with CE upgrade

NT or XT with PE upgrade

Configure the system monitor in one PE column as the master. Configure any other system monitors as slaves. If there are CE *and* PE modules, use the option settings for CE upgrades.

Table 8
Master system monitor switch settings

Switch	1	2	3	4	5	6	7	8
SW1	on	off	*	**	off	off	on	off
SW2	on	off	(For switches 3 to 8, see “NT8D22 settings for total number of slaves—SW2 on master” in option settings)					
SW3	on	on	on	on				
* Set to ON for DC-powered systems, OFF for AC-powered systems. ** Set to ON to enable PFTU during over-temperature condition. Set to OFF to disable PFTU during over-temperature condition.								

Table 9
Slave system monitor switch settings

Switch	1	2	3	4	5	6	7	8
SW1	on	off	*	**	off	off	on	off
SW2	off	off	(For switches 3 to 8, see “NT8D22 slave address— SW2 on slave” in option settings)					
SW3	off	off	off	off				
* Set to ON for DC-powered systems, OFF for AC-powered systems. ** Set to ON to enable PFTU during over-temperature condition. Set to OFF to disable PFTU during over-temperature condition.								

NT or XT with CE upgrade

Configure the master system monitor in the column containing CPU 0.
Configure the system monitor in the column containing CPU 1 as slave unit 1.
Configure any other system monitors as slaves.

Table 10
Master system monitor switch settings

Switch	1	2	3	4	5	6	7	8
SW1	on	on	*	on**	off	off	off	on
SW2	on	off	(For switches 3 to 8, see "NT8D22 settings for total number of slaves—SW2 on master" in option settings)					
SW3	on	on	on	on				
* Set to ON for DC-powered systems, OFF for AC-powered systems. ** PFTU enabled because of over-temperature in column with master system monitor.								

Table 11
Slave system monitor switch settings

Switch	1	2	3	4	5	6	7	8
SW1	on	off	*	**	off	off	off	on
SW2	off	off	(For switches 3 to 8, see "NT8D22 slave address— SW2 on slave" in option settings)					
SW3	off	off	off	off				
* Set to ON for DC-powered systems, OFF for AC-powered systems. ** Set to ON to enable PFTU during over-temperature condition. Set to OFF to disable PFTU during over-temperature condition.								

Meridian 1

Circuit card installation and testing

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